

# ADC Isotype Control Mouse IgG2a (MMAE)

Catalog # DNP-BM487



BIOSYSTEMS  
**Acro**

## Source

ADC Isotype Control Mouse IgG2a (MMAE) is a recombinant mouse monoclonal antibody expressed in HEK293 cells.

## Antibody Type

Recombinant Monoclonal

## Isotype

Mouse IgG2a, Kappa

## Host Species

Mouse

## Purification

Protein A purified / Protein G purified.

## Aggregation

Less than 5%, as determined by SEC-MALS.

## Concentration

Please refer to the Certificate of Analysis (CoA).

## Form

Lyophilized

## Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

## Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

## Shipping

Lyophilized product is shipped at ambient temperature.

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## Notices

Product Specific Notices: For research use only.

## ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

## Background

MMAE (Monomethyl auristatin E) is a synthetic microtubule inhibitor. It binds to tubulin to prevent microtubule polymerization, inducing tumor cell cycle arrest and apoptosis. As a highly toxic payload commonly used in ADCs, it has excellent plasma stability; when conjugated to antibodies, it can precisely kill target cells and is widely applied in the R&D of ADC drugs for hematological malignancies and solid tumors.

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